

AUTHOR INDEX

- Ahrens, H., *see*: Zipp, P., and Ahrens, H.
- Allard, A., Thiry, P.S., Bourgault, A., and Drouin, G.: Pressure dependence of the Area Micrometer method in evaluation of cruciate ligament cross-sections, 265
- Arnott, J.L., Newell, A.F., and Downton, A.C.: A comparison of Palantype and Stenograph for use in a speech transcription aid for the deaf, 201
- Barrett, A.N., *see*: Perkins, W.J., Barrett, A.N., Green, J., and Reynolds, D.
- Beaumont, P.W.R. and Owen, A.B.: Fracture behaviour of commercial surgical acrylic bone cement, 277
- Beaumont, Peter W.R.: Fracture processes in acrylic bone cement containing barium sulphate dispersions, 147
- Beneken, J.E.W., Blom, J.A., Jorritsma, F.F., Nandorff, A., and Spierdijk, J.: Prognosis, trend and prediction in patient management, 185
- Bennett, David: *see*: Moss, Susan; and Bennett, David
- Berme, N., and Paul, J.P.: Load actions transmitted by implants, 268
- Blom, J.A., *see*: Beneken, J.E.W., Blom, J.A., Jorritsma, F.F., Nandorff, A., and Spierdijk, J.
- Borst, C., *see*: Panerai, R.B., Smail, B.H., Borst, C., Chamberlain, J.H., and Sayers, B. McA.
- Bourgault, A., *see*: Allard, A., Thiry, P.S. Bourgault, A., and Drouin, G.
- Bowker, P., Pratt, D.J., Bowker, P., Wardlaw, D., and McLaughlan, J.
- Capon, A., *see*: Deltenre, P., Vercruysse, A., van Nechel, C., Ketelaer, P., Capon, A., Colin, F., and Manil, J.
- Chamberlain, J.H., *see*: Panerai, R.B. Smail, B.H., Borst, C., Chamberlain, J.H., and Sayers, B. McA.
- Christakos, C.N., and Lal, S.: Force predictions relating to tremor and other consequences of a 'distributed' model of skeletal muscle, 175
- Colin, F., *see*: Deltenre, P. Vercruysse, A., van Nechel, C., Ketelaer, P., Capon, A., Colin, F., and Manil, J.
- Crawford, A.T., and Smith, P.D.: A micro-power impedance meter for measuring electrode contact impedance, 125
- Creel, Donnell: Luminance-onset, pattern-onset, and pattern-reversal evoked potentials in human albinos demonstrating visual anomalies, 100
- Davies, W.I., Smith, P.D., and Davies, W.I. Deltenre, P., Vercruysse, A., van Nechel, C., Ketelaer, P., Capon, A., Colin, F., and Manil, J.: Early diagnosis of multiple sclerosis by combined multimodal evoked potentials: results and practical considerations, 17
- Downton, A.C., *see*: Arnott, J.L., Newell, A.F., and Downton, A.C.
- Drouin, G., *see*: Allard, A., Thiry, P.S., Bourgault, A., and Drouin, G.
- Edelstein, W., *see*: Mallard, John, Hutchinson, J.M.S., Edelstein, W., Ling, R., and Foster, M.
- English, T.A., and Kilvington, M.: In vivo records of hip loads using a Femoral Implant with Telemetric Output, 111
- Fairhurst, M.C., and Maynard, C.A.: Application of pattern recognition methodology to the design of an electronic aid for co-ordination therapy, 257
- Fisherman, P.M., *see*: Othmer, E., Othmer, S.C., Vannier, M.W., Fisherman, P.M., and Holland, W.H.
- Foster, M., *see*: Mallard, John, Hutchinson, J.M.S., Edelstein, W., Ling, R., and Foster, M.
- Ganguli, S., *see*: Tibarewala, D.N., and Ganguli, S.
- Gath, Isak, *see*: Gur, Moshe, and Gath, Isak.
- Gay, P., and Roberts, V.C.: Characterization of post exercise pressure response curves in the pedal arteries of patients with peripheral vascular disease, 12
- Green, J., *see*: Perkins, W.J., Barrett, A.N., Green, J., and Reynolds, D.
- Green, R.J., Perkins, W.J., Piper, E.A., and Stenning, B.F.: The transfer of selected image data to a computer using a conductive tablet, 240
- Guerson, J.B., *see*: Kodde, L., Guerson, J.B., Venema, E. Ph., and Massen, C.H.
- Gur, Moshe; and Gath, Isak: Time and frequency analysis of simultaneously recorded corneal and non-corneal electroretinogram, 172
- Hastings, G.W., *see*: Messier, M.A., El., Hastings, G.W., and Rakowski, S.
- Hawken, M.B., and Kamm, K.: A rapid response sphygmomanometer valve, 66
- Hawken, M.B., and Stevens, A.L.: The small volume plethysmograph, 116
- Hoffman, Julien I.E.: The effect of intramyocardial forces on the distribution of intramyocardial bloodflow, 33
- Holland, W.H., *see*: Othmer, E., Othmer, S.C., Vannier, M.W., Fisherman, P.M., and Holland, W.H.
- Hutchinson, J.M.S., *see*: Mallard, John, Hutchinson, J.M.S., Edelstein, W., Ling, R., and Foster, M.
- Jackson, John R., and Williams, Bernard: Errors in velocity measurement by the Pitot principle in fluids with slowly propagated pressure waves, 50
- Jackson, S.A.: The Fibrous structure of bone determined by X-ray diffraction, 121
- Jorritsma, F.F., *see*: Beneken, J.E.W., Blom, J.A., Jorritsma, F.F., Nandorff, A., and Spierdijk, J.
- Kamm, K., *see*: Hawken, M.B., and Kamm, K.
- Ketelaer, P., *see*: Deltenre, P., Vercruysse, A., van Nechel, C., Ketelaer, P., Capon, A., Colin, F., and Manil, J.
- Kilvington, M., *see*: English, T.A., and Kilvington, M.
- Kitney, R.I.: A non-linear, model for studying oscillations in the blood pressure control system, 89
- Kodde, L., Guerson, J.B., Venema, E. Ph., and Massen, C.H.: A Critique on Stabilograms, 123
- Lal, S., *see*: Christakos, C.N., and Lal, S.
- Lindsay, Duncan D., *see*: Low, John M., and Lindsay, Duncan D.
- Ling, R., *see*: Mallard, John, Hutchinson, J.M.S., Edelstein, W., Ling, R., and Foster, M.
- Low, John M., and Lindsay, Duncan D.: A body-worn delayed auditory feedback fluency aid for stammerers, 235
- Mallard, John, Hutchinson, J.M.S., Edelstein, W., Ling, R., and Foster, M.: Imaging by nuclear magnetic resonance and its bio-medical implications, 153
- Manil, J., *see*: Deltenre, P., Vercruysse, A., van Nechel, C., Ketelaer, P., Capon, A., Colin, F., and Manil, J.
- Massen, C.H., *see*: Kodde, L., Guerson, J.B., Venema, E. Ph., and Massen, C.H.
- Maynard, *see*: Fairhurst, M.C., and Maynard, C.A.
- McLaughlan, J., *see*: Pratt, D.J., Bowker, P., Wardlaw, D., and McLaughlan, J.
- Messier, M.A., El., Hastings, G.W., and Rakowski, S.: Ferro-electricity of dry cortical bone, 63
- Moss, Susan, and Bennett, David: A combined transcutaneous pulse-echo and Doppler ultrasonic technique for the measurement of brachial artery peak velocity, 5
- Murray, Gordon, A.W., and Semple, J. Campbell: A review of work on artificial tendons, 177
- Murty, I.S.N., *see*: Rangaraj, M.R., and Murty, I.S.N.
- Nandorff, A., *see*: Beneken, J.E.W., Blom, J.A., Jorritsma, F.F., Nandorff, A., and Spierdijk, J.
- Nathan, R.H.: A dynamometer for bio-mechanical use, 83
- van Nechel, C., *see*: Deltenre, P., Vercruysse, A., van Nechel, C., Ketelaer, P., Capon, A., Colin, F., and Manil, J.
- Newell, A.F., *see*: Arnott, J.L., Newell, A.F., and Downton, A.C.
- Othmer, E., Othmer, S.C., Vannier, M.W., Fisherman, P.M., and Holland, W.H.: A simple time synchronization device for polygraph, analogue tape and digital computer as used in sleep research, 127
- Othmer, S.C., *see*: Othmer, E., Othmer, S.C., Vannier, M.W., Fisherman, P.M., and Holland, W.H.
- Owen, A.B., *see*: Beaumont, P.W.R., and Owen, A.B.
- Panerai, R.B., Smail, B.H., Borst, C., Chamberlain, J.H., and Sayers, B. McA.: A model of left ventricular function in the denervated heart, 161
- Paul, J.P., *see*: Berme, N., and Paul, J.P.
- Perkins, W.J., Barrett, A.N., Green, J., and Reynolds, D.: A system for the three-dimensional construction, manipulation and display of microbiological models, 22
- Perkins, W.J., *see*: Green, R.J., Perkins, W.J., Piper, E.A., and Stenning, B.F.
- Piper, E.A., *see*: Green, R.J., Perkins, W.J., Piper, E.A., and Stenning, B.F.

AUTHOR INDEX

- Ahrens, H., *see*: Zipp, P., and Ahrens, H.
- Allard, A., Thiry, P.S., Bourgault, A., and Drouin, G.: Pressure dependence of the Area Micrometer method in evaluation of cruciate ligament cross-sections, 265
- Arnott, J.L., Newell, A.F., and Downton, A.C.: A comparison of Palantype and Stenograph for use in a speech transcription aid for the deaf, 201
- Barrett, A.N., *see*: Perkins, W.J., Barrett, A.N., Green, J., and Reynolds, D.
- Beaumont, P.W.R. and Owen, A.B.: Fracture behaviour of commercial surgical acrylic bone cement, 277
- Beaumont, Peter W.R.: Fracture processes in acrylic bone cement containing barium sulphate dispersions, 147
- Beneken, J.E.W., Blom, J.A., Jorritsma, F.F., Nandorff, A., and Spierdijk, J.: Prognosis, trend and prediction in patient management, 185
- Bennett, David: *see*: Moss, Susan; and Bennett, David
- Berme, N., and Paul, J.P.: Load actions transmitted by implants, 268
- Blom, J.A., *see*: Beneken, J.E.W., Blom, J.A., Jorritsma, F.F., Nandorff, A., and Spierdijk, J.
- Borst, C., *see*: Panerai, R.B., Smail, B.H., Borst, C., Chamberlain, J.H., and Sayers, B. McA.
- Bourgault, A., *see*: Allard, A., Thiry, P.S. Bourgault, A., and Drouin, G.
- Bowker, P., Pratt, D.J., Bowker, P., Wardlaw, D., and McLaughlan, J.
- Capon, A., *see*: Deltenre, P., Vercruyse, A., van Nechel, C., Ketelaer, P., Capon, A., Colin, F., and Manil, J.
- Chamberlain, J.H., *see*: Panerai, R.B. Smail, B.H., Borst, C., Chamberlain, J.H., and Sayers, B. McA.
- Christakos, C.N., and Lal, S.: Force predictions relating to tremor and other consequences of a 'distributed' model of skeletal muscle, 175
- Colin, F., *see*: Deltenre, P. Vercruyse, A., van Nechel, C., Ketelaer, P., Capon, A., Colin, F., and Manil, J.
- Crawford, A.T., and Smith, P.D.: A micro-power impedance meter for measuring electrode contact impedance, 125
- Creel, Donnell: Luminance-onset, pattern-onset, and pattern-reversal evoked potentials in human albinos demonstrating visual anomalies, 100
- Davies, W.I., Smith, P.D., and Davies, W.I. Deltenre, P., Vercruyse, A., van Nechel, C., Ketelaer, P., Capon, A., Colin, F., and Manil, J.: Early diagnosis of multiple sclerosis by combined multimodal evoked potentials: results and practical considerations, 17
- Downton, A.C., *see*: Arnott, J.L., Newell, A.F., and Downton, A.C.
- Drouin, G., *see*: Allard, A., Thiry, P.S., Bourgault, A., and Drouin, G.
- Edelstein, W., *see*: Mallard, John, Hutchinson, J.M.S., Edelstein, W., Ling, R., and Foster, M.
- English, T.A., and Kilvington, M.: In vivo records of hip loads using a Femoral Implant with Telemetric Output, 111
- Fairhurst, M.C., and Maynard, C.A.: Application of pattern recognition methodology to the design of an electronic aid for co-ordination therapy, 257
- Fisherman, P.M., *see*: Othmer, E., Othmer, S.C., Vannier, M.W., Fisherman, P.M., and Holland, W.H.
- Foster, M., *see*: Mallard, John, Hutchinson, J.M.S., Edelstein, W., Ling, R., and Foster, M.
- Ganguli, S., *see*: Tibarewala, D.N., and Ganguli, S.
- Gath, Isak, *see*: Gur, Moshe, and Gath, Isak.
- Gay, P., and Roberts, V.C.: Characterization of post exercise pressure response curves in the pedal arteries of patients with peripheral vascular disease, 12
- Green, J., *see*: Perkins, W.J., Barrett, A.N., Green, J., and Reynolds, D.
- Green, R.J., Perkins, W.J., Piper, E.A., and Stenning, B.F.: The transfer of selected image data to a computer using a conductive tablet, 240
- Guerson, J.B., *see*: Kodde, L., Guerson, J.B., Venema, E. Ph., and Massen, C.H.
- Gur, Moshe; and Gath, Isak: Time and frequency analysis of simultaneously recorded corneal and non-corneal electroretinogram, 172
- Hastings, G.W., *see*: Messier, M.A., El., Hastings, G.W., and Rakowski, S.
- Hawken, M.B., and Kamm, K.: A rapid response sphygmomanometer valve, 66
- Hawken, M.B., and Stevens, A.L.: The small volume plethysmograph, 116
- Hoffman, Julien I.E.: The effect of intramyocardial forces on the distribution of intramyocardial bloodflow, 33
- Holland, W.H., *see*: Othmer, E., Othmer, S.C., Vannier, M.W., Fisherman, P.M., and Holland, W.H.
- Hutchinson, J.M.S., *see*: Mallard, John, Hutchinson, J.M.S., Edelstein, W., Ling, R., and Foster, M.
- Jackson, John R., and Williams, Bernard: Errors in velocity measurement by the Pitot principle in fluids with slowly propagated pressure waves, 50
- Jackson, S.A.: The Fibrous structure of bone determined by X-ray diffraction, 121
- Jorritsma, F.F., *see*: Beneken, J.E.W., Blom, J.A., Jorritsma, F.F., Nandorff, A., and Spierdijk, J.
- Kamm, K., *see*: Hawken, M.B., and Kamm, K.
- Ketelaer, P., *see*: Deltenre, P., Vercruyse, A., van Nechel, C., Ketelaer, P., Capon, A., Colin, F., and Manil, J.
- Kilvington, M., *see*: English, T.A., and Kilvington, M.
- Kitney, R.I.: A non-linear, model for studying oscillations in the blood pressure control system, 89
- Kodde, L., Guerson, J.B., Venema, E. Ph., and Massen, C.H.: A Critique on Stabilograms, 123
- Lal, S., *see*: Christakos, C.N., and Lal, S.
- Lindsay, Duncan D., *see*: Low, John M., and Lindsay, Duncan D.
- Ling, R., *see*: Mallard, John, Hutchinson, J.M.S., Edelstein, W., Ling, R., and Foster, M.
- Low, John M., and Lindsay, Duncan D.: A body-worn delayed auditory feedback fluency aid for stammerers, 235
- Mallard, John, Hutchinson, J.M.S., Edelstein, W., Ling, R., and Foster, M.: Imaging by nuclear magnetic resonance and its bio-medical implications, 153
- Manil, J., *see*: Deltenre, P., Vercruyse, A., van Nechel, C., Ketelaer, P., Capon, A., Colin, F., and Manil, J.
- Massen, C.H., *see*: Kodde, L., Guerson, J.B., Venema, E. Ph., and Massen, C.H.
- Maynard, *see*: Fairhurst, M.C., and Maynard, C.A.
- McLaughlan, J., *see*: Pratt, D.J., Bowker, P., Wardlaw, D., and McLaughlan, J.
- Messier, M.A., El., Hastings, G.W., and Rakowski, S.: Ferro-electricity of dry cortical bone, 63
- Moss, Susan, and Bennett, David: A combined transcutaneous pulse-echo and Doppler ultrasonic technique for the measurement of brachial artery peak velocity, 5
- Murray, Gordon, A.W., and Semple, J. Campbell: A review of work on artificial tendons, 177
- Murty, I.S.N., *see*: Rangaraj, M.R., and Murty, I.S.N.
- Nandorff, A., *see*: Beneken, J.E.W., Blom, J.A., Jorritsma, F.F., Nandorff, A., and Spierdijk, J.
- Nathan, R.H.: A dynamometer for bio-mechanical use, 83
- van Nechel, C., *see*: Deltenre, P., Vercruyse, A., van Nechel, C., Ketelaer, P., Capon, A., Colin, F., and Manil, J.
- Newell, A.F., *see*: Arnott, J.L., Newell, A.F., and Downton, A.C.
- Othmer, E., Othmer, S.C., Vannier, M.W., Fisherman, P.M., and Holland, W.H.: A simple time synchronization device for polygraph, analogue tape and digital computer as used in sleep research, 127
- Othmer, S.C., *see*: Othmer, E., Othmer, S.C., Vannier, M.W., Fisherman, P.M., and Holland, W.H.
- Owen, A.B., *see*: Beaumont, P.W.R., and Owen, A.B.
- Panerai, R.B., Smail, B.H., Borst, C., Chamberlain, J.H., and Sayers, B. McA.: A model of left ventricular function in the denervated heart, 161
- Paul, J.P., *see*: Berme, N., and Paul, J.P.
- Perkins, W.J., Barrett, A.N., Green, J., and Reynolds, D.: A system for the three-dimensional construction, manipulation and display of microbiological models, 22
- Perkins, W.J., *see*: Green, R.J., Perkins, W.J., Piper, E.A., and Stenning, B.F.
- Piper, E.A., *see*: Green, R.J., Perkins, W.J., Piper, E.A., and Stenning, B.F.

- Pratt, D.J., Bowker, P., Wardlaw, D., and McLaughlan, J.: Load Measurement in orthopaedics using strain gauges, 287
- Rakowski, S., see: Messier, M.A. El., Hastings, G.W., and Rakowski, S.
- Rangaraj, M.R., and Murthy, I.S.N.: Quantitative analysis of the phonocardiogram for detection of murmurs, 247
- Reynolds, D., see: Perkins, W.J., Barrett, A.N., Green, J., and Reynolds, D.
- Roberts, V.C., see: Gay, P., and Roberts, V.C.
- Rose, G.K., see: Sankarankutty, M., Stallard, J., and Rose, G.K.
- Sankarankutty, M., Stallard, J., and Rose, G.K.: The relative efficiency of 'swing through' gait on axillary, elbow and Canadian crutches compared to normal walking, 55
- Sayers, B.McA. see: Panerai, R.B., Smaill, B.H., Borst, C., Chamberlain, J.H., and Sayers, B.McA.
- Sem-Jacobsen, Carl Wilhelm: Clinical application of auditory evoked brainstem potentials, to operational diving in the North Sea, 105
- Semple, J., Campbell, see: Murray, Gordon, A.W., and Semple, J., Campbell.
- Smaill, B.H., see: Panerai, R.B., Smaill, B.H., Borst, C., Chamberlain, J.H., and Sayers, B.McA.
- Smith, P.D., see: Crawford, A.T., and Smith, P.D.
- Smith, P.D., and Davies, W.I.: A robust respiration follower for studies of diabetic autonomic neuropathy, 211
- Spierdijk, J., see: Beneken, J.E.W., Blom, J.A., Jorritsma, F.F., Nandorff, A., and Spierdijk, J.
- Stallard, J., see: Sankarankutty, M., Stallard, J., and Rose, G.K.
- Stenning, B.F., see: Green, R.J., Perkins, W.J., Piper, E.A., and Stenning, B.F.
- Stevens, A.L., see: Hawken, M.B., and Stevens, A.L.
- Swanson, S.A.V.: Constraints and fixation for implanted joint replacements, 253
- Thiry, P.S., see: Allard, A., Thiry, P.S., Bourgault, A., and Drouin, G.
- Tibarewala, D.N., and Ganguli, S.: Use of a gait abnormality for locomotion efficiency evaluation, 263
- Timmons, B.H., see: Watson, B.W., Wooley-Hart, A., and Timmons, B.H.
- Vannier, M.W., see: Othmer, E., Othmer, S.C., Vannier, M.W., Fisherman, P.M., and Holland, W.H.
- Venema, E.Ph., see: Kodde, L., Guerson, J.B., Venema, E.Ph., and Massen, C.H.
- Vercruyssc, A., see: Deltre, P., Vercruyssc, A., van Nechel, C., Ketelaer, P., Capon, A., Colin, F., and Manil, J.
- Wardlaw, D., see: Pratt, D.J., Bowker, P., Wardlaw, D., and McLaughlan, J.
- Watson, B.W., Wooley-Hart, A., and Timmons, B.H.: Biofeedback instruments for the management of anxiety and for relaxation training, 58
- Williams, Bernard, see: Jackson, John R., and Williams, Bernard
- Wooley-Hart, A., see: Watson, B.W., Wooley-Hart, A., and Timmons, B.H.
- Wright, K.W.J., and Yettram, A.L.: An analytical investigation into possible mechanical causes of bone remodelling, 41
- Wright, K.W.J., see: Yettram, A.L., and Wright, K.W.J.
- Yettram, A.L., and Wright, K.W.J.: Biomechanics of the Femoral component with particular reference to the stress in the bone cement, 281
- Yettram, A.L., see: Wright, K.W.J., and Yettram, A.L.
- Zipp, P., and Ahrens, H.: A model of bio-electrode motion artefact and reduction of artefact by amplifier input stage design, 273

SUBJECT INDEX

- Acrylic bone cements, commercial surgical, fracture behaviour of, 277
- Anxiety, Biofeedback instruments for the management of, and for relaxation training, 58
- Artefact and reduction of artefact by amplifier input stage design, a model of bio-electrode motion, 273
- Arteries, pedal, of patients with peripheral vascular disease, Characterization of post exercise pressure response curves in the, 12
- Artificial tendons, a review of work on, 177
- Auditory feedback fluency aid for stammerers, a body-worn delayed, 235
- Auditory evoked brainstem potentials, to operational diving in the North Sea, clinical applications of, 105
- Bioelectrode motion artefact and reduction of artefact by amplifier input stage design, a model of, 273
- Biofeedback instruments for the management of anxiety and for relaxation training, 58
- Bloodflow, the effect of intramyocardial forces on the distribution of intramyocardial, 33
- Blood pressure control system, a non-linear model for studying oscillations in the, 89
- Bone cement, biomechanics of the femoral component with particular reference to the stress in the, 281
- Bone cements, fracture behaviour of commercial surgical acrylic, 277
- Bone, ferro-electricity of dry cortical, 63
- Bone fibrous structure of, determined by X-ray diffraction, 121
- Bone, remodelling, analytical investigation into possible mechanical causes of, 41
- Brachial artery peak velocity, a combined transcutaneous pulse-echo and Doppler ultrasonic technique for the measurement of, 5
- Brainstem potentials, Clinical applications of auditory evoked, to operational diving in the North Sea, 105
- Clinical applications of auditory evoked brainstem potentials, to operational diving in the North Sea, 105
- Computer using a conductive tablet, the transfer of selected image data to a, 240
- Conductive tablet, the transfer of selected image data to a computer using a, 240
- Constraints and fixation for implanted joint replacements, 253
- Corneal and non-corneal electroretinogram, time and frequency analysis of simultaneously recorded, 172
- Cortical bone, ferro-electricity of dry, 63
- Crutches, axillary, elbow and Canadian, compared to normal walking. The relative efficiency of 'swing through' gait on, 55
- Denervated heart, a model of left ventricular function in the, 161
- Diabetic autonomic neuropathy, a robust respiration follower for studies of, 211
- Display of microbiological models, a system for the three-dimensional construction, manipulation and, 22
- Diving in the North Sea, clinical applications of auditory evoked brainstem potentials, to operational, 105
- Doppler ultrasonic technique for the measurement of brachial artery peak velocity, a combined transcutaneous pulse-echo, 5
- Dynamometer for biomechanical use, a 83
- Electrode contact impedance, a micro-power impedance meter for measuring, 125
- Electronic aid for coordination therapy, application of pattern recognition methodology to the design of an, 257
- Evoked potentials in human albinos demonstrating visual system anomalies, luminance-onset, pattern-onset and pattern-reversal, 100
- Feedback fluency aid for stammerers, a body-worn delayed, 235
- Femoral component, biomechanics of, with particular reference to the stress in the bone cement, 281
- Femoral implant with telemetric output, in vivo records of hip loads using a, 111
- Ferro-electricity of dry cortical bone, 63
- Fibrous structure of bone determined by X-ray diffraction, 121
- Fixation for implanted joint replacements, constraints and, 253
- Fluency aid for stammerers, a body-worn delayed auditory feedback, 235
- Force predictions relating to tremor and other consequences of a 'distributed' model of skeletal muscle, 175
- Fracture behaviour of commercial surgical acrylic bone cements, 277
- Fracture process in acrylic bone cement containing barium sulphate dispersions, 147

- Gait abnormality for locomotion efficiency evaluation, use of a gait, 263
- Gait, the relative efficiency of 'swing through', on crutches axillary, elbow and Canadian compared to normal walking, 55
- Gauges, load measurement in orthopaedics using strain, 287
- Hip loads using a femoral implant with telemetric output, in vivo records of, 111
- Image data to a computer using a conductive tablet, the transfer of selected, 240
- Imaging by nuclear magnetic resonance and its bio-medical implications, 153
- Impedance meter for measuring electrode contact impedance, a micropower, 125
- Implants, load actions transmitted by, 268
- Intramyocardial bloodflow, the effect of intramyocardial forces on the distribution of, 33
- Intramyocardial forces on the distribution of intramyocardial bloodflow, the effect of, 33
- Joint replacements, constraints and fixation for implanted, 253
- Load actions transmitted by implants, 268
- Load measurement in orthopaedics using strain gauges, 287
- Locomotion efficiency evaluation, use of a gait abnormality for, 263
- Luminance-onset, pattern-onset and pattern-reversal evoked potentials in human albinos demonstrating visual system anomalies, 100
- Management of anxiety and for relaxation training, biofeedback instruments for the, 58
- Manipulation and display of microbiological models, a system for the three-dimensional construction, 22
- Mechanical causes of bone remodelling, an analytical investigation into possible, 41
- Microbiological models, a system for the three-dimensional construction, manipulation and display of, 22
- Micrometer method in evaluation of cruciate ligament cross-sections, pressure dependence of the Area, 265
- Micropower impedance meter for measuring electrode contact impedance, 125
- Model of bioelectrode motion artefact and reduction of artefact by amplifier input stage design, a 273
- Motion artefact and reduction of artefact by amplifier input stage design, a model of bioelectrode 273
- Multiple sclerosis, Early diagnosis of, by combined multimodal evoked potentials: results and practical considerations, 17
- Murmurs, quantitative analysis of the phonocardiogram for detection of, 247
- Neuropathy, a robust respiration follower for studies of diabetic autonomic, 211
- Non-corneal electroretinogram, corneal and, time and frequency analysis of simultaneously recorded, 172
- Non-linear model for studying oscillations in the blood pressure control system, 89
- Nuclear magnetic resonance and its imaging by bio-medical implications, 153
- Orthopaedics using strain gauges, load measurement, 287
- Oscillations in the blood pressure control system, a non-linear model for studying, 89
- Palantype and Stenograph for use in a speech transcription aid for the deaf, 201
- Patient management, prognosis trend and prediction in, 185
- Pattern recognition methodology, to the design of an electronic aid for co-ordination therapy, application of, 258
- Pedal arteries of patients with peripheral vascular disease, characterization of post exercise pressure response curves in the, 12
- Phonocardiogram for detection of murmurs, quantitative analysis of the, 247
- Pitot principle in fluids with slowly propagated pressure waves, errors in velocity measurement by the, 50
- Plethysmograph, the small volume, 116
- Pressure dependence of the area micrometer method in evaluation of cruciate ligament cross-section, 265
- Pressure response curves in the pedal arteries of patients with peripheral vascular disease, characterization of post exercise, 12
- Pressure waves, errors in velocity measurement by the Pitot principle in fluids with slowly propagated, 50
- Pulse-echo and Doppler ultrasonic technique for the measurement of brachial artery peak velocity, a combined transcutaneous, 5
- Relaxation training, biofeedback instruments for the management of anxiety and for, 58
- Remodelling, an analytical investigation into possible mechanical causes of bone, 41
- Replacements, implanted joint, constraints and fixation for, 253
- Respiration follower, a robust, for studies of diabetic autonomic neuropathy, 211
- Skeletal muscle, force predictions relating to tremor and other consequences of a 'distributed' model of, 175
- Sleep research, a simple time synchronization device for polygraph, analogue tape and digital computer as used in, 127
- Small volume plethysmograph, 116
- Sphygmomanometer valve, a rapid response, 66
- Stabilograms, a critique on, 123
- Stammerers, a body-worn delayed auditory feedback fluency aid for, 235
- Stenograph for use in a speech transcription, aid for the deaf, comparison of Palantype and, 201
- Strain gauges, load measurement in orthopaedics using, 287
- Stress in the bone cement, biomechanics of the femoral component with particular reference to the, 281
- Structure of bone determined by X-ray diffraction, the fibrous, 121
- 'Swing through' gait on crutches, axillary, elbow and Canadian compared to normal walking, the relative efficiency of, 55
- Telemetric output, in vivo records of hip loads using a femoral implant with, 111
- Tendons, a review of work on artificial, 177
- Time synchronization device for polygraph, analogue tape and digital computer as used in sleep research, simple, 127
- Tremor, force predictions relating to, and other consequences of a 'distributed' model of skeletal muscle, 175
- Ultrasonic technique for the measurement of brachial artery peak velocity, a combined transcutaneous pulse-echo and Doppler, 5
- Valve, a rapid response sphygmomanometer, 66
- Vascular disease, characterization of post exercise pressure response curves in the pedal arteries of patients with peripheral, 12
- Velocity measurement by the Pitot principle in fluids with slowly propagated pressure waves, 50
- Ventricular function in the denervated heart, a model of left, 161
- Visual system anomalies, luminance-onset, pattern-onset and pattern-reversal evoked potentials in human albinos demonstrating, 100
- X-ray diffraction, the fibrous structure of bone determined by, 121

DESIGN COUNCIL AWARD

With reference to our report of an award to Simon Morgan for a partial hand prosthesis (*J. Biomed. Eng.* 1979, 1, 3, 224), we have now been informed that the design work was undertaken in conjunction with Mr. Brian J. Andrews in the Bioengineering Unit of University Hospital of Wales, Cardiff to whom inquiries should be directed. The prosthesis is still at a very early stage of development, and a lot more work and patient-testing are yet to be done to bring it to the stage of a pre-production prototype.

